

Work Order ID 98815

98815

Page 1

March-25-13 2:42:53 PM

Item ID: **D4634-1**

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Fwd. Center Ceiling Panel

Start Date: 3/25/13 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 4/08/13 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: MLJ Date: 13-03-25 Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4634	B

100

0.00

100

HAND FINISHING THERMOFORMING

Thermoform

Memo

Thermoforming Machine

Cut Blanks

SCRAP

(2) 1

BB 13/03/27

Scrap
air fill
change

105

0.00

105

Dry Material

HandThermo

Memo

Hand Finishing Thermoforming

Dry Sheet as per QSI022 KYDEX

Temp: 150

Time IN: 4:30

Time OUT: 7:00

BB 13/03/27

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube <input type="checkbox"/></td> <td style="width:15%;">Crosstube <input type="checkbox"/></td> <td style="width:15%;">Water Jet <input type="checkbox"/></td> <td style="width:15%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
---	---	---

<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 98815

March-25-13 2:42:53 PM

98815

Page 2

Item ID: D4634-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fwd, Center Ceiling Panel

Start Date: 3/25/13 Start Qty: 1.00 ***1***

Cust Item ID:

Required Date: 4/08/13 Req'd Qty: 1.00 ***1***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

110		0.00							
-----	--	------	--	--	--	--	--	--	--

110

THERMOFORMING MACHINE

Thermoform

Memo 0.00

Thermoforming Machine

Thermoform as per Dwg. D4634-1 and Folio FTA144

Dwg. Rev. B

Folio Rev. A

Visually inspect for proper formation and texture

130		0.00							
-----	--	------	--	--	--	--	--	--	--

130

HAND FINISHING THERMOFORMING

Thermoform

Memo 0.00

Thermoforming Machine

Trim to Finished Dimensions

140		0.00							
-----	--	------	--	--	--	--	--	--	--

140

QC2- Inspect parts off machine FAI/FAIB

QC

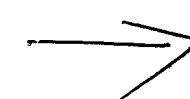
Memo 0.00

Quality Control

1 ~~BB~~ 13/03/27

1 SCRAP

PTO



NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: <u>98815</u> Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/>	13/03/27	110	1	PADEL DID NOT FORM COMPLETELY SCRAP + REPLACE							
Equip/Tooling <input type="checkbox"/>											
Operator <input type="checkbox"/>											
Material <input type="checkbox"/>											
Setup <input checked="" type="checkbox"/>											
Other <input type="checkbox"/>											
Process <input type="checkbox"/>											
Supplier <input type="checkbox"/>											
Training <input type="checkbox"/>											
Unapproved <input type="checkbox"/>											

FAULT CATEGORY				
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

Work Order ID 98815

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Page 3

Item ID: D4634-1

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Fwd, Center Ceiling Panel

Start Date: 3/25/13 Start Qty: 1.00

1

Cust Item ID:

Required Date: 4/08/13 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC5- Inspect part completeness to step on W/O	0.00							
150									
QC	Memo	0.00							
Quality Control									
160	Packaging	0.00							
160									
Packaging	Memo	0.00							
Packaging									
170	QC21- Final Inspection - Work Order Release	0.00							
170									
QC	Memo	0.00							
Quality Control									

U13.1629

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabelled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

Picklist Print

March-25-13 2:42:57 PM

Page 1

Work Order ID: 98815

98815

Parent Item: D4634-1

D4634-1

Parent Item Name: Fwd. Center Ceiling Panel

Start Date: 3/25/13

Required Date: 4/08/13

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev.A New Issue 12/05/07 DL VERIFIED BY:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MKYD6185S.080-P3-62015		Purchased	No			100	sf	1,496.170	12.93	14.36667			

MKYD6185S 080-P3-62015
6185 KYDEX .080"

** 2386 3/13/09/11

Location

Loc Qty

Loc Code

MAT

1109.32

124462

1109.32

therm

386.850177

116576

14.148377

121755

372.697

124501

0.0048

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

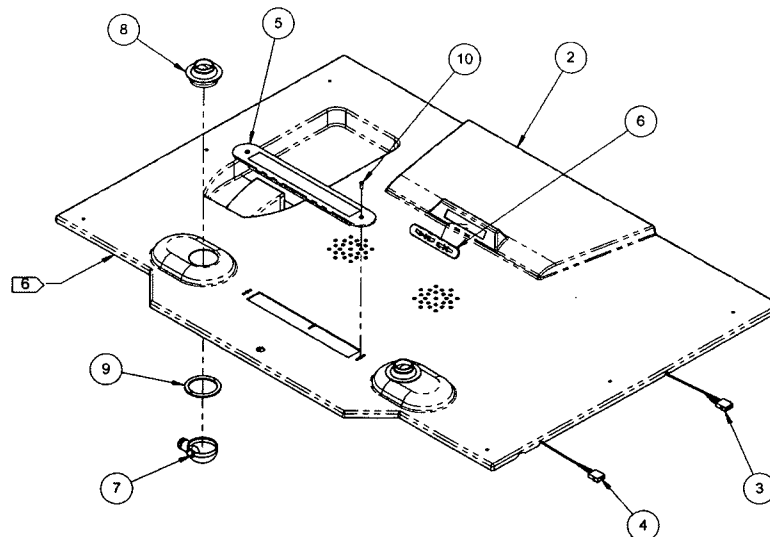
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions
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<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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D4634-041 FWD, CENTER CEILING PANEL ASSY

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 7.5 lbs
- 8) INSTALL D4728-047/-051 WIRE HARNESS PER QSI 048

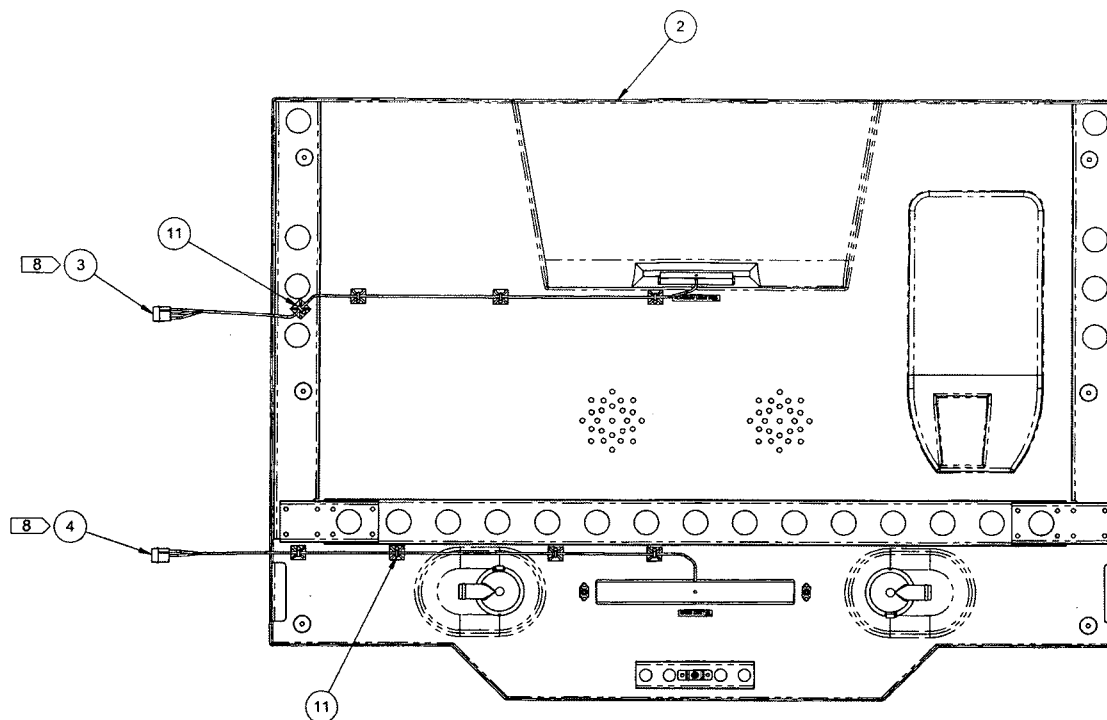
ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4634-041	FWD, CENTER CEILING PANEL ASSY
2	1	D4634-141	FWD, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4728-047	ADVISORY LIGHT (FWD) HARNESS ASSEMBLY
4	1	D4728-051	CABIN LIGHT #1 HARNESS ASSEMBLY
5	1	D4638-1	LED LIGHT
6	1	D4645-1	NO SMOKING & FASTEN BELT LIGHT
7	2	D4646-1	PLENUM CAP ASSEMBLY
8	2	D4652-1	AIR VALVE
9	2	D4652-3	MOUNTING NUT
10	2	MS24694-S5	SCREW
11	8	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)

98815 MLJ
13-03-25

RELEASED
R 2013-01-30

B	ADDED D4634-141/-143/-145 (ZN B4-7, B4-8, B4-9); REVISE D4634-041/-042/-043/-044 PART LIST & GENERAL NOTES; ADD DETAILS R.S.T SHT 10, 12, 14, 16, 17	RF	12.11.30
A	NEW ISSUE	RF	12.07.25
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	RF	D4634	SHEET 1 OF 17
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	CENTER CEILING PANELS	NTS
DATE	12.11.30	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	

98815



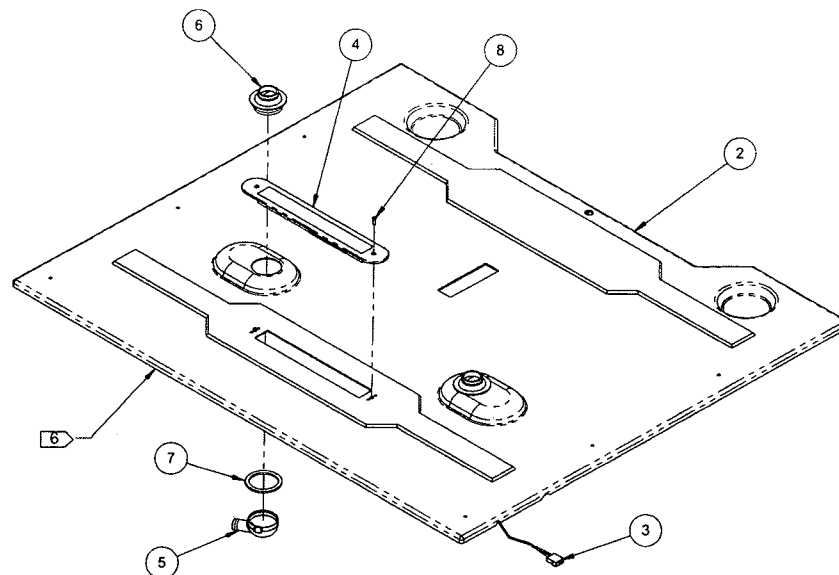
D4634-041 FWD. CENTER CEILING PANEL ASSY
AUXILIARY VIEW

RELEASED
2013-01-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4634	SHEET 2 OF 17
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CENTER CEILING PANELS	NTS
DATE	12.11.30	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

9885

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	X	D4634-043	MIDDLE, CENTER CEILING PANEL ASSY
2	1	D4634-143	MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4728-053	CABIN LIGHT #2 HARNESS ASSEMBLY
4	1	D4638-1	LED LIGHT
5	2	D4646-1	PLENUM CAP ASSEMBLY
6	2	D4652-1	AIR VALVE
7	2	D4652-3	MOUNTING NUT
8	2	MS24694-S5	SCREW
9	3	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)



D4634-043 MIDDLE, CENTER CEILING PANEL ASSY

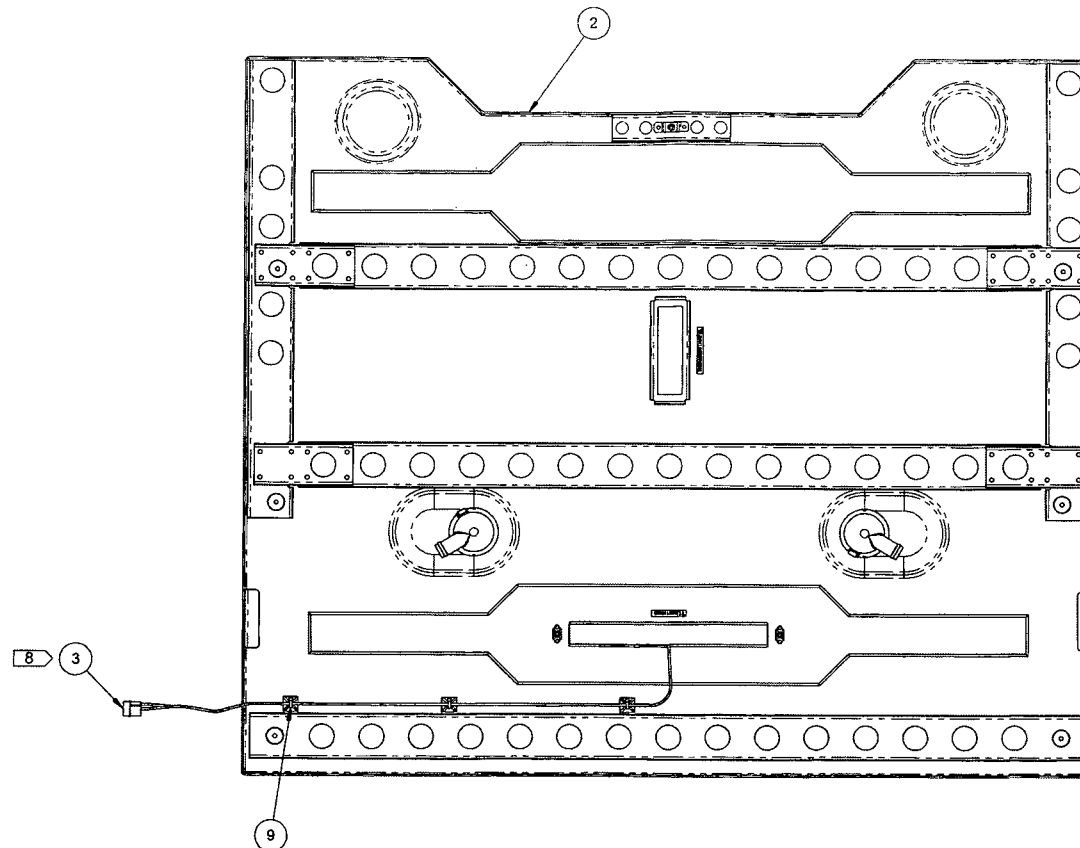
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 9.5 lbs
- 8) INSTALL D4728-053 WIRE HARNESS PER QSI 048

RELEASED
2013-01-30
JD

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4634	SHEET 3 OF 17
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CENTER CEILING PANELS	NTS
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98815

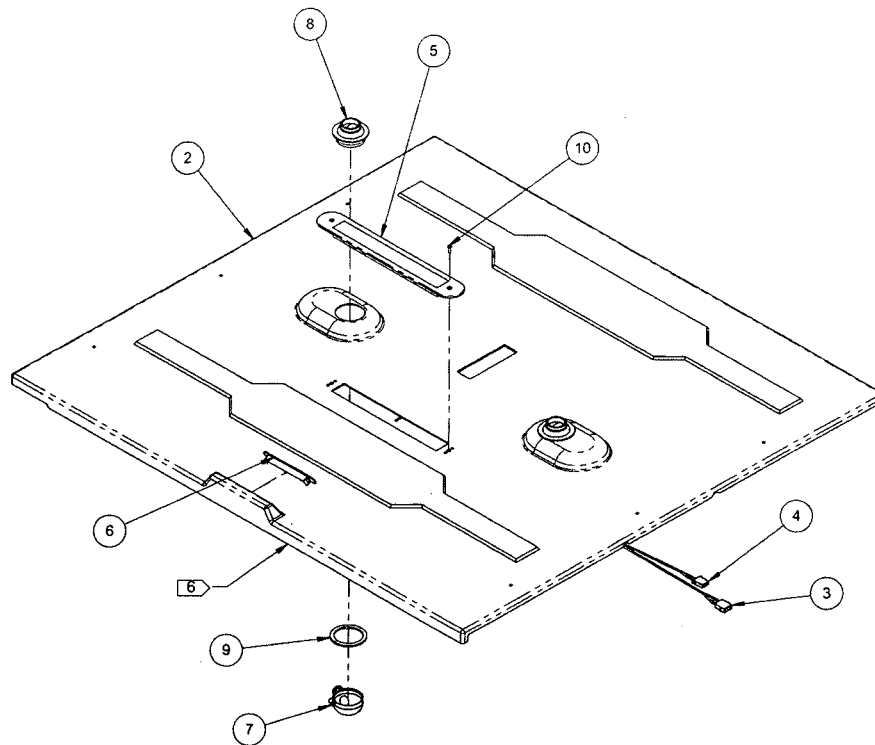


D4634-043 MIDDLE, CENTER CEILING PANEL ASSY
AUXILIARY VIEW

RELEASED
2013-01-30
AM

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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4634	SHEET 4 OF 17
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DE APPR.	<i>[Signature]</i>	CENTER CEILING PANELS	NTS
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D4634-045 AFT, CENTER CEILING PANEL ASSY

NOTES:

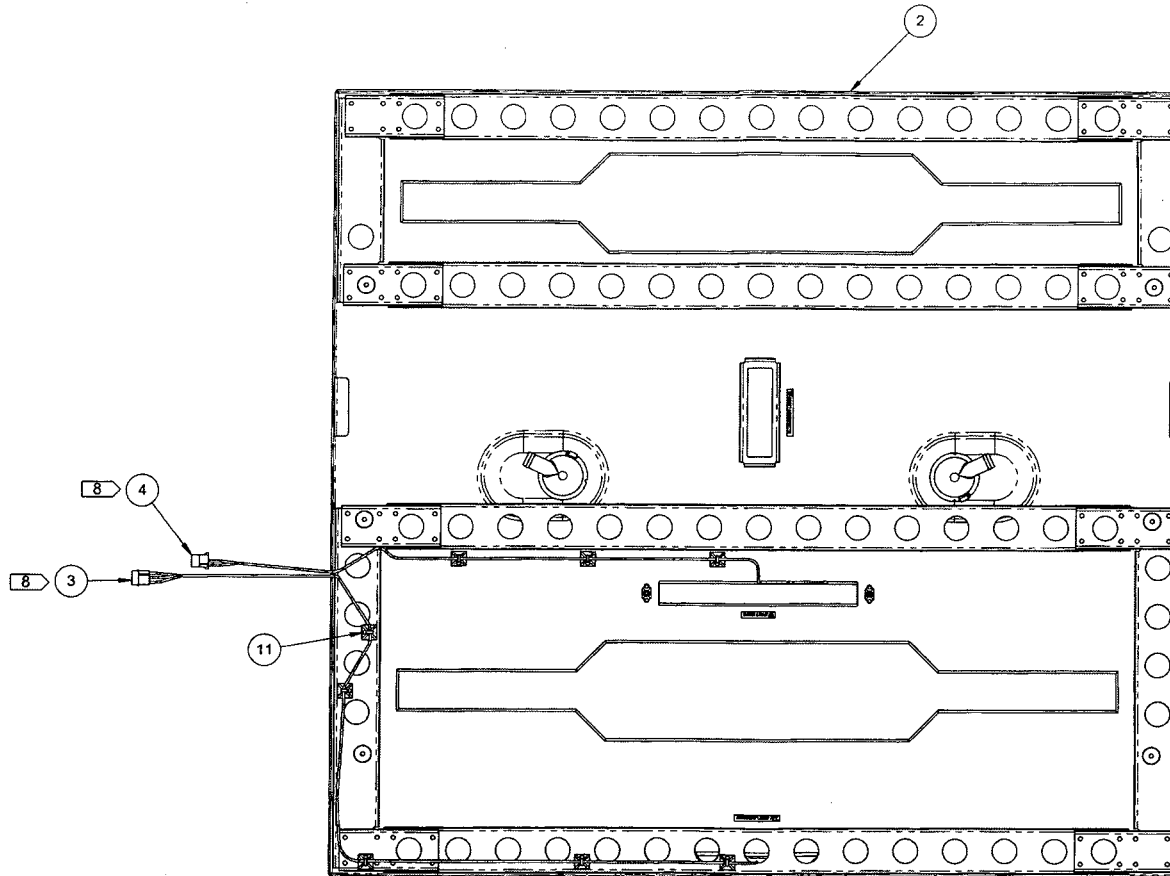
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.4, ON SMOOTH SIDE
- 7) WEIGHT: 10.0 lbs
- 8) INSTALL D4728-049/-055 WIRE HARNESS PER QSI 048

ITEM NO.	QTY. -045	PART NUMBER	DESCRIPTION
1	X	D4634-045	AFT, CENTER CEILING PANEL ASSY
2	1	D4634-145	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
3	1	D4728-049	ADVISORY LIGHT (AFT) HARNESS ASSEMBLY
4	1	D4728-055	CABIN LIGHT #3 ASSEMBLY
5	1	D4638-1	LED LIGHT
6	1	D4645-1	NO SMOKING & FASTEN BELT LIGHT
7	2	D4646-1	PLENUM CAP ASSEMBLY
8	2	D4652-1	AIR VALVE
9	2	D4652-3	MOUNTING NUT
10	2	MS24694-S5	SCREW
11	8	PLT1.5M-M	TIE-WRAP (OR PLT1.5M-C)

RELEASED
2013-01-30
MP

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	RF	D4634	SHEET 5 OF 17
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	CENTER CEILING PANELS	NTS
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988W



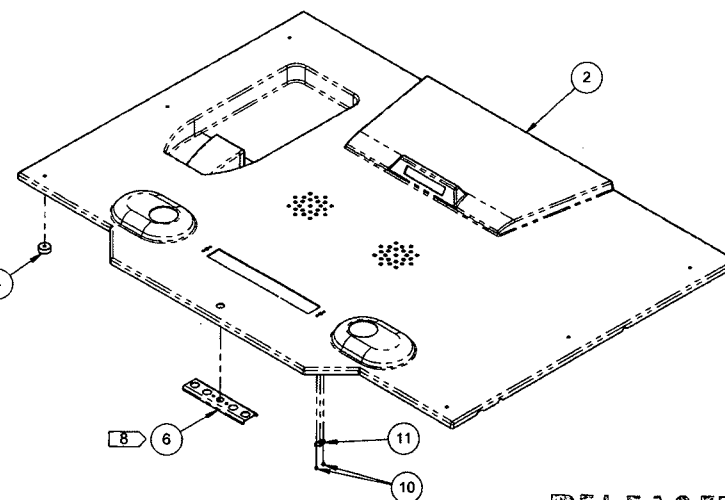
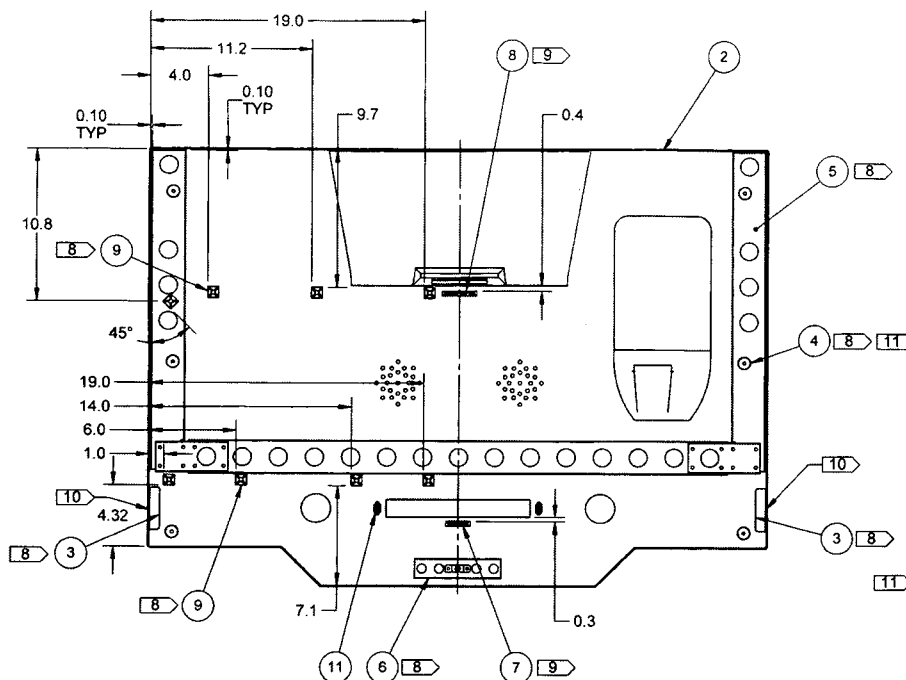
D4634-045 AFT, CENTER CEILING PANEL ASSY
AUXILIARY VIEW

RELEASED
2013-01-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	RF	D4634	SHEET 6 OF 17
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	CENTER CEILING PANELS	NTS
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98813

ITEM NO.	QTY. -141	PART NUMBER	DESCRIPTION
1	X	D4634-141	FWD, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-1	FWD, CENTER CEILING PANEL
3	2	D4647-3	ANGLE
4	6	D4664-5	SPACER
5	1	D4694-041	FWD CHANNEL ASSEMBLY
6	1	D4712-041	BRACKET ASSEMBLY
7	1	D4732-15	LABEL
8	1	D4732-19	LABEL
9	8	MPNY-750S-9-C	MOUNTING PAD
10	4	MS20426AD3-3	RIVET
11	2	MS21059L3	ANCHOR NUT



D4634-141 FWD, CENTER CEILING REPLACEMENT PANEL ASSY

NOTES:

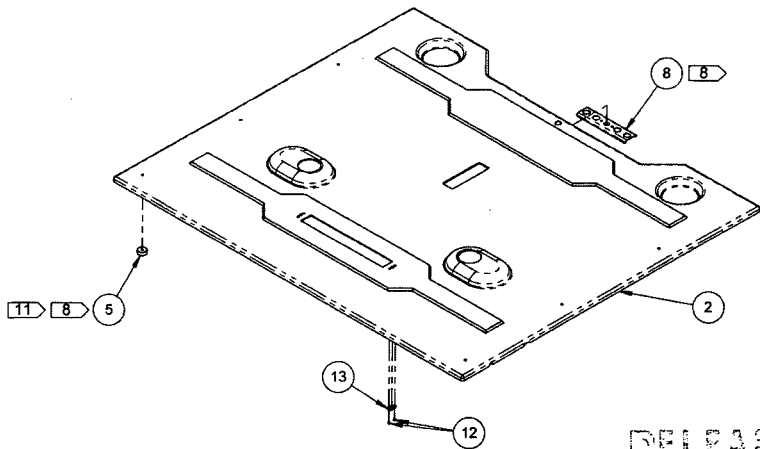
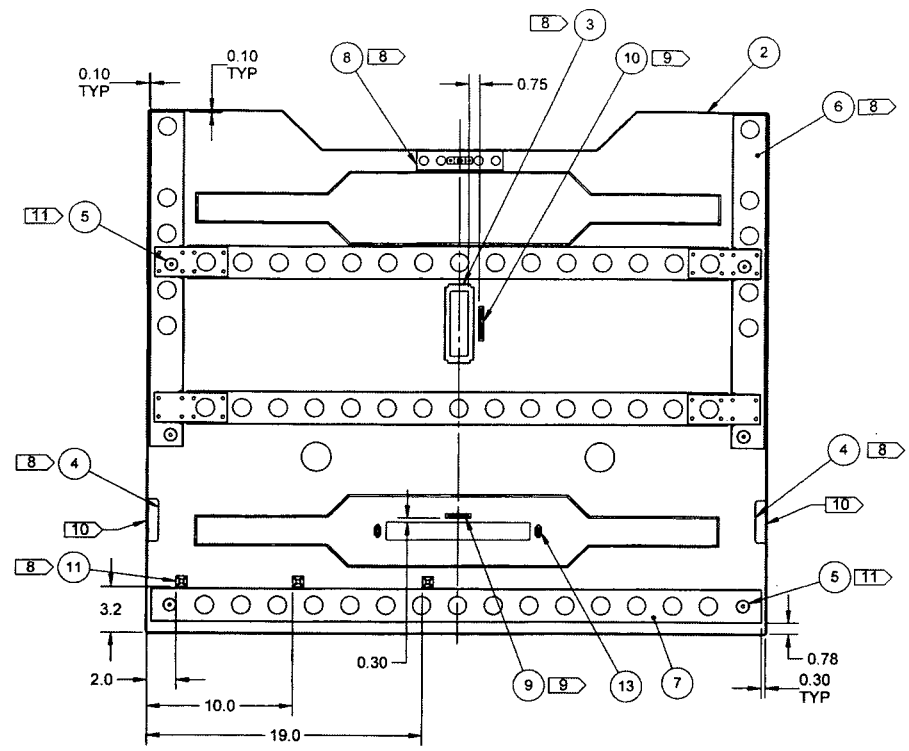
- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 7.3 lbs
- 8) APPLY A LAYER OF DEVCON PLASTIC WELDER II (0.02 TO 0.04 THICK) TO BOND D4647-3, D4664-5, D4694-041, D4712-041 & MPNY-750S-9C. WAIT FOR 24 HOURS TO CURE. LOCATE D4664-5 IN LINE WITH $\phi 0.204$ HOLES
- 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
- 10) LOCATE D4647-3 ANGLE USING GROOVE TO ALIGN WITH D4634-1 FWD CENTER PANEL
- 11) TRANSFER $\phi 0.204$ (#6 DRILL) FROM D4634-1 TO D4694-041 PRIOR TO BONDING D4664-5

RELEASED
2013-01-30
MP

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO. D4634	REV. B
MFG. APPR.		TITLE CENTER CEILING PANELS	SHEET 7 OF 17
APPROVED		SCALE NTS	
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98815

ITEM NO.	QTY. -143	PART NUMBER	DESCRIPTION
1	X	D4634-143	MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-3	MIDDLE, CENTER CEILING PANEL
3	1	D4647-1	DOUBLER
4	2	D4647-3	ANGLE
5	6	D4664-5	SPACER
6	1	D4694-043	MIDDLE CHANNEL ASSEMBLY
7	1	D4694-7	MIDDLE CHANNEL
8	1	D4712-041	BRACKET ASSEMBLY
9	1	D4732-21	LABEL
10	1	D4732-25	LABEL
11	3	MPNY-750S-9-C	MOUNTING PAD
12	4	MS20426AD3-3	RIVET
13	2	MS21059L3	ANCHOR NUT



D4634-143 MIDDLE, CENTER CEILING REPLACEMENT PANEL ASSY

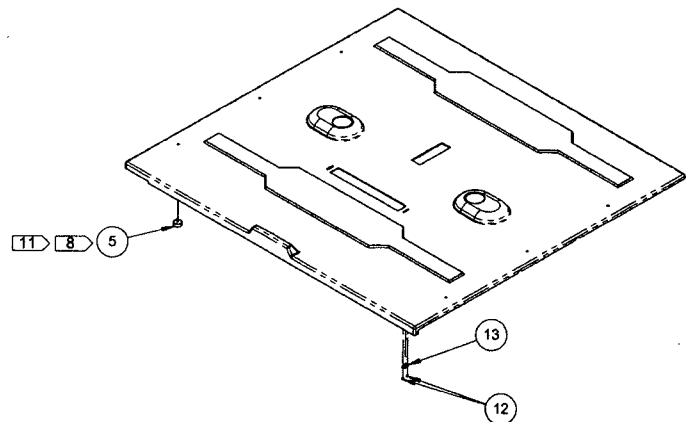
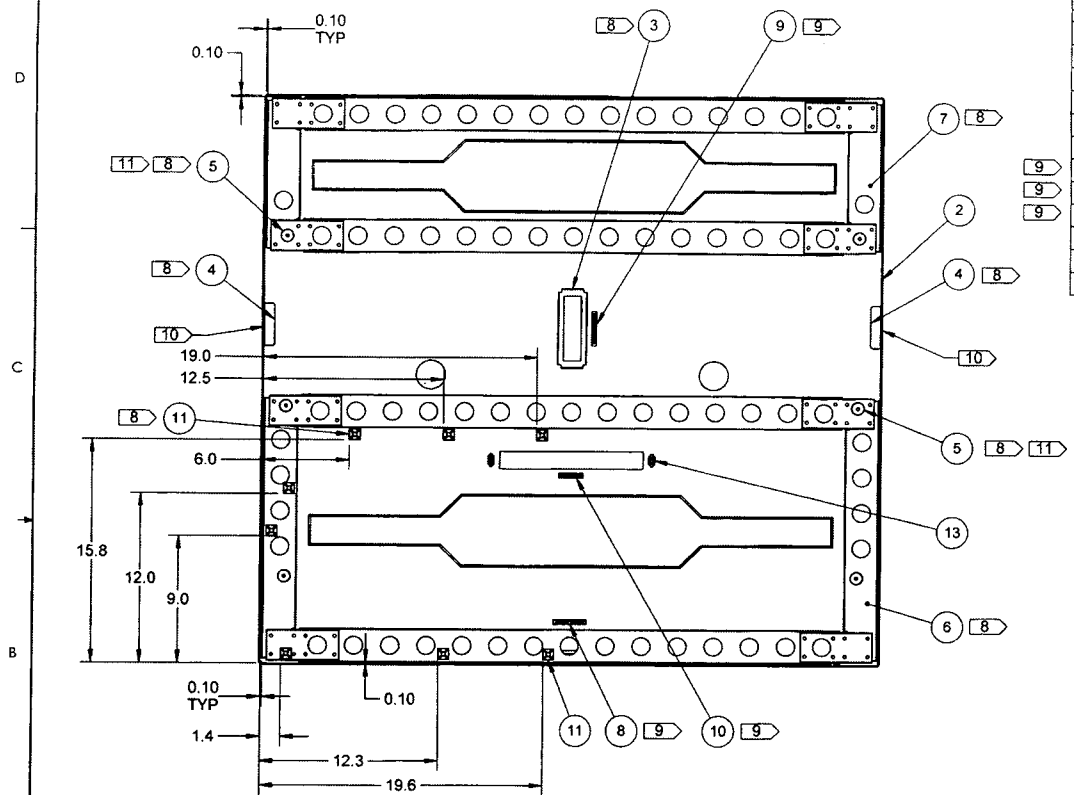
- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 7.5 lbs
 - 8) APPLY A LAYER OF DEVCON PLASTIC WELDER II (0.02 TO 0.04 THICK) TO BOND D4647-1, D4647-3, D4664-5, D4694-043/-7, D4712-041 & MPNY-750S-9-C WAIT FOR 24 HOURS TO CURE. LOCATE D4664-5 IN LINE WITH Ø0.204 HOLES. LOCATE D4647-1 IN LINE WITH RECTANGULAR OPENING
 - 9) LOCATE LABELS AS SHOWN. SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
 - 10) LOCATE D4647-3 ANGLE USING GROOVE TO ALIGN WITH D4634-3 MIDDLE CENTER PANEL
 - 11) TRANSFER Ø0.204 (#6 DRILL) FROM D4634-3 TO D4694-043/-7 PRIOR TO BONDING D4664-5

RELEASED
2013-07-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4634	SHEET 8 OF 17
APPROVED		TITLE	SCALE
DE APPR.		CENTER CEILING PANELS	NTS
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99815

ITEM NO.	QTY.	PART NUMBER	DESCRIPTION
1	X	D4634-145	AFT, CENTER CEILING REPLACEMENT PANEL ASSY
2	1	D4634-5	AFT, CENTER CEILING PANEL
3	1	D4647-1	DOUBLER
4	2	D4647-3	ANGLE
5	6	D4664-5	SPACER
6	1	D4694-045	AFT CHANNEL ASSEMBLY
7	1	D4694-047	AFT CHANNEL ASSEMBLY
8	1	D4732-17	LABEL
9	1	D4732-27	LABEL
10	1	D4732-23	LABEL
11	8	MPNY-750S-9-C	MOUNTING PAD
12	4	MS20426AD3-3	RIVET
13	2	MS21059L3	ANCHOR NUT



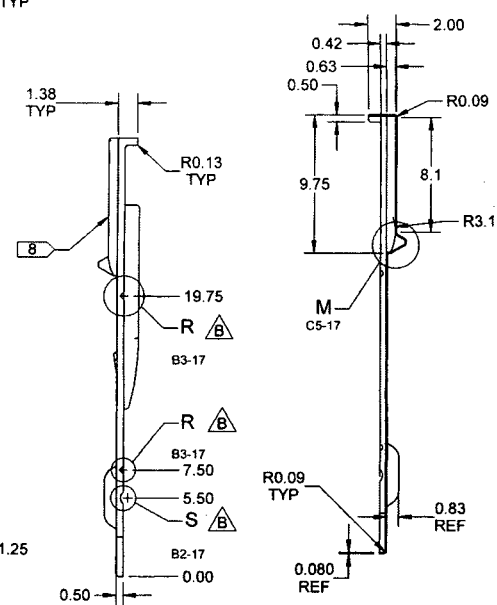
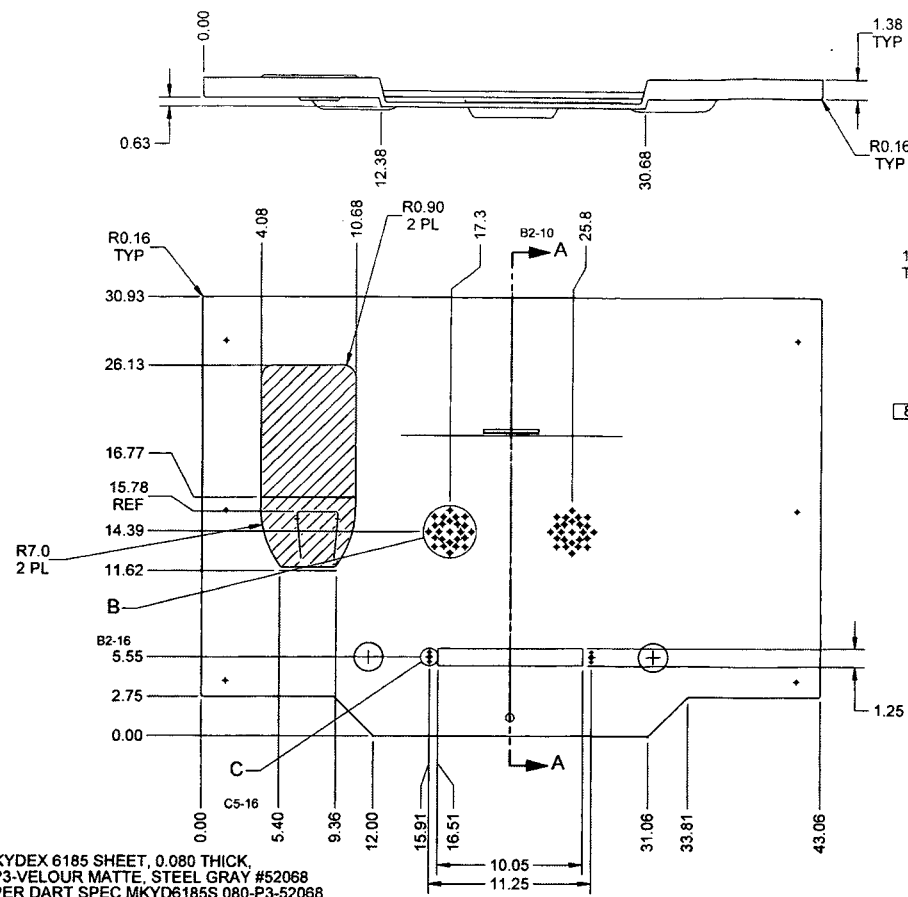
D4634-145 AFT, CENTER CEILING REPLACEMENT PANEL ASSY

RELEASED
2013-01-30

- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 7.5 lbs
 - 8) APPLY A LAYER OF DEVCON PLASTIC WELDER II (0.02 TO 0.04 THICK) TO BOND D4647-1, D4647-3, D4664-5, D4694-045/-047 & MPNY-750S-9C. WAIT FOR 24 HOURS TO CURE. LOCATE D4664-5 IN LINE WITH $\phi 0.204$ HOLES. LOCATE D4647-1 IN LINE WITH RECTANGULAR OPENING
 - 9) LOCATE LABELS AS SHOWN, SEAL LABELS USING 3950 EDGE SEALER OVER LABEL TOP SURFACE
 - 10) LOCATE D4647-3 ANGLE USING GROOVE TO ALIGN WITH D4634-5 AFT CENTER PANEL
 - 11) TRANSFER $\phi 0.204$ (#6 DRILL) FROM D4634-5 TO D4694-045/-047 PRIOR TO BONDING D4664-5

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D4634	SHEET 9 OF 17
APPROVED		TITLE	SCALE
DE APPR.		CENTER CEILING PANELS	NTS
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98815



SECTION A-A C6-10

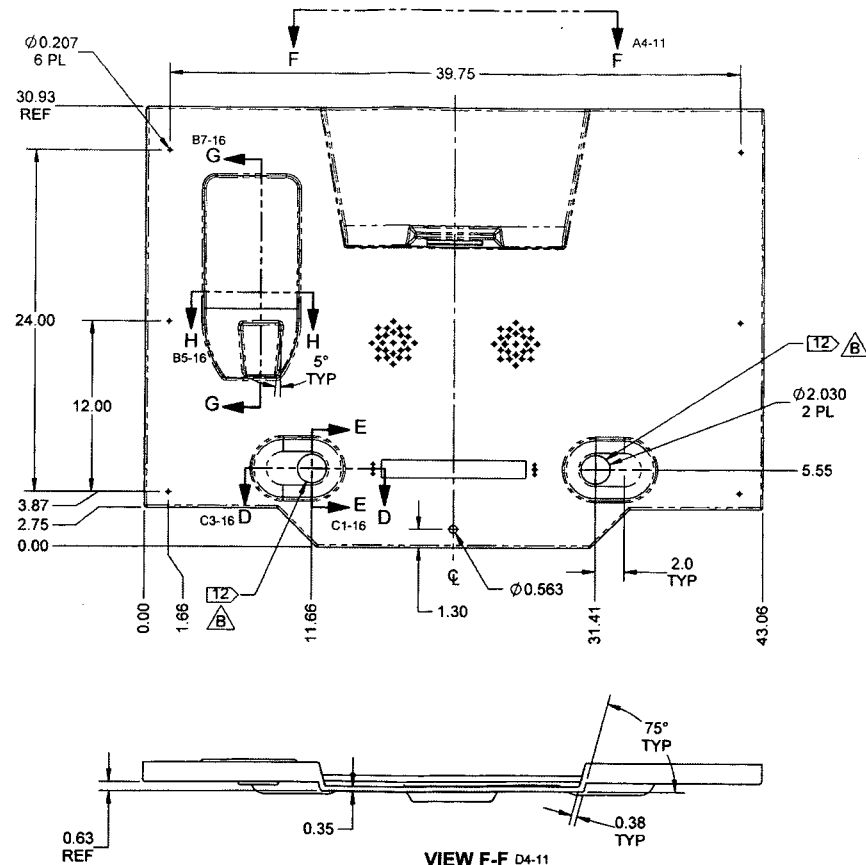
- NOTES:
- 1) MATERIAL: KYDEX 6185 SHEET, 0.080 THICK, P3-VELOUR MATTE, STEEL GRAY #52068
PER DART SPEC MKYD6185S.080-P3-52068
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 5.59 lbs
 - 8) TEXTURE ON THIS SIDE
 - 9) 0.14 RADIUS NOT SHOWN FOR CLARITY
 - 10) DRILL & TRIM D4634-1 PER TOOL DT9836
 - 11) THERMOFORM PER QSI 022 USING DT9844 TOOL
MIN. THICKNESS AFTER FORMING:
SHADED AREA = 0.020
EDGES = 0.060
ELSEWHERE = 0.070
 - 12) LOCATE Ø2.030 AT CENTER OF PROTRUDED SURFACE AS SHOWN

D4634-1 FWD. CENTER CEILING PANEL

RELEASED
2013-01-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4634	SHEET 10 OF 17
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CENTER CEILING PANELS	NTS
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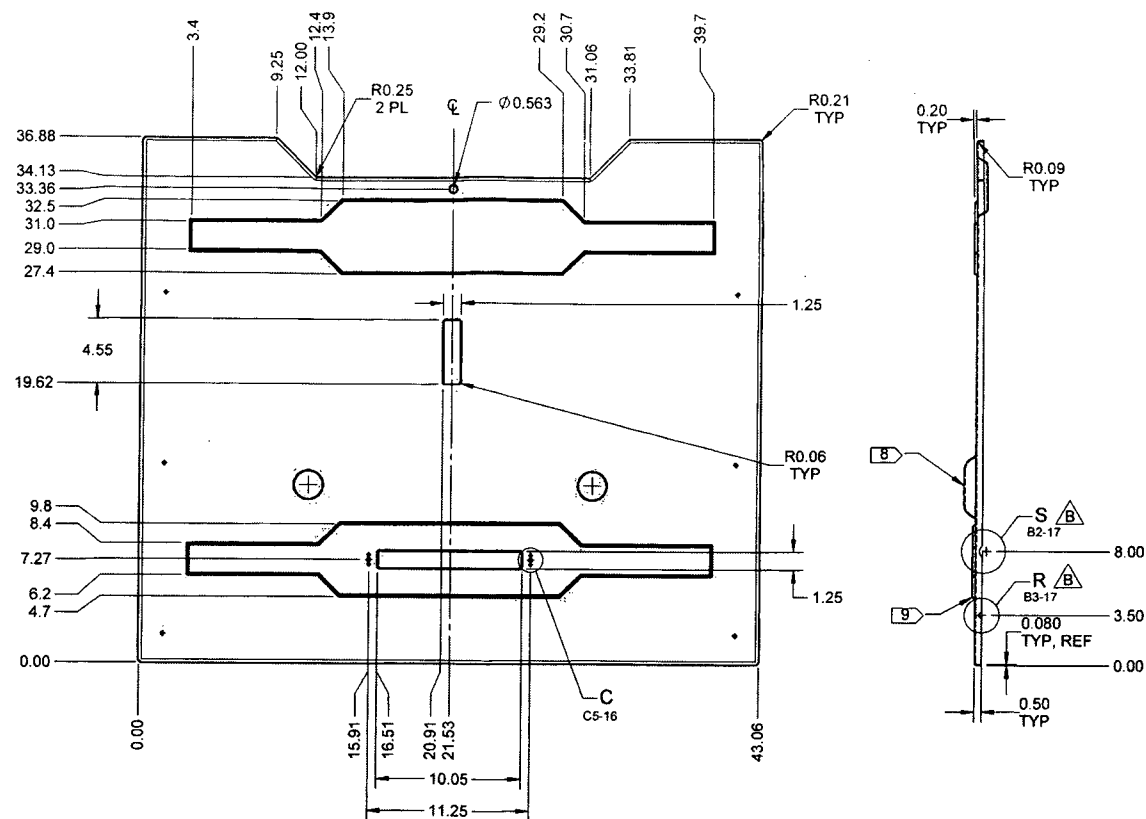


D4634-1 FWD. CENTER CEILING PANEL
AUXILIARY VIEW

RELEASED
2013-01-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4634	SHEET 11 OF 17
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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98815



NOTES:

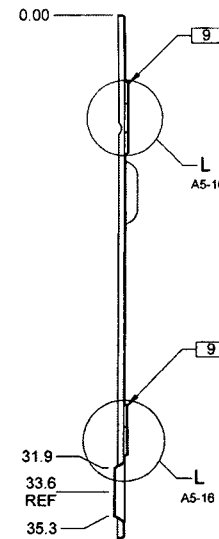
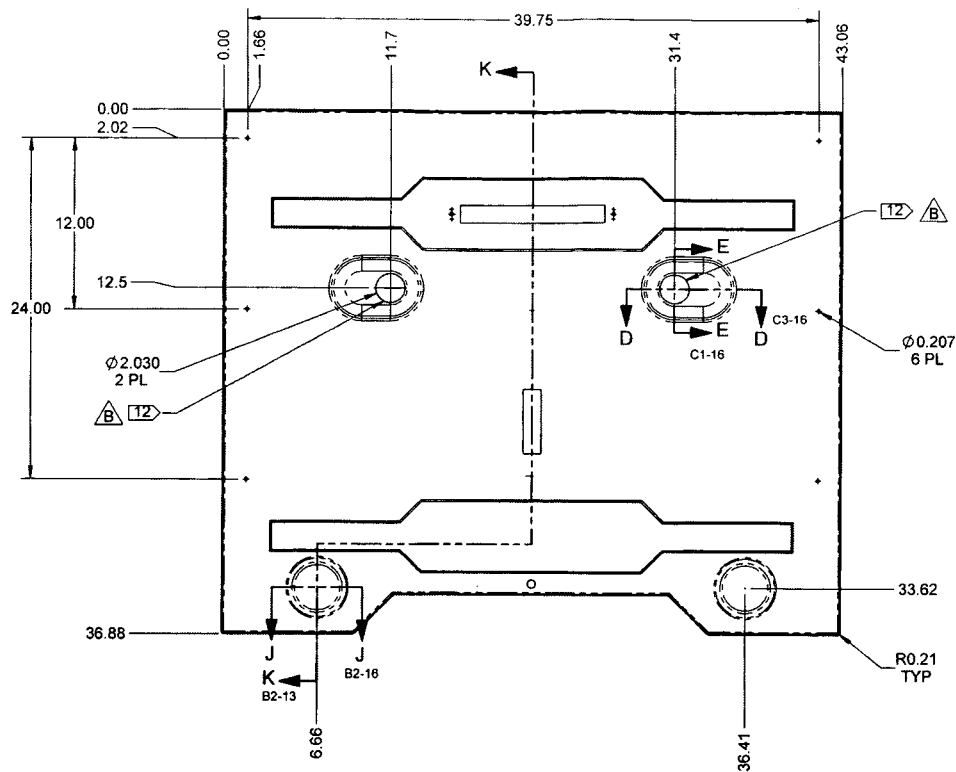
- 1) MATERIAL: KYDEX 6185 SHEET, 0.080 THICK,
P3-VELOUR MATTE, STEEL GRAY #52068
PER DART SPEC MKYD6185S.080-P3-52068
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 6.31 lbs
- 8) TEXTURE ON THIS SIDE
- 9) 0.14 RADIUS NOT SHOWN FOR CLARITY
- 10) DRILL & TRIM D4634-3 PER TOOL DT9837
- 11) THERMOFORM PER QSI 022 USING DT9845 TOOL
MIN. THICKNESS AFTER FORMING:
EDGES = 0.060
ELSEWHERE = 0.070
- 12) LOCATE Ø2.030 AT CENTER OF PROTRUDED SURFACE AS SHOWN

D4634-3 MIDDLE, CENTER CEILING PANEL

RELEASED
2013-01-30

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. B
MFG. APPR.	RF	D4634	SHEET 12 OF 17
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	CENTER CEILING PANELS	NTS
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98015



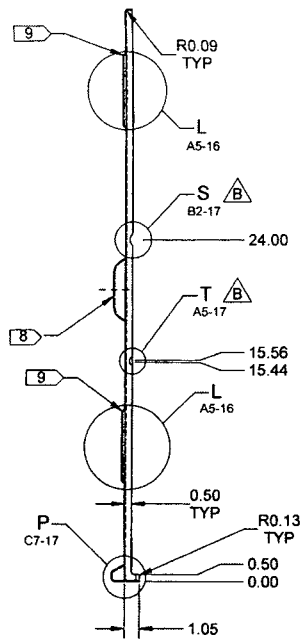
SECTION K-K B6-13

D4634-3 MIDDLE, CENTER CEILING PANEL
AUXILIARY VIEW

RELEASED
2013-01-30
MP

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D4634 TITLE CENTER CEILING PANELS DATE 12.11.30	REV. B SHEET 13 OF 17 SCALE NTS <small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>
DRAWN	RF		
CHECKED	RF		
MFG. APPR.	RF		
APPROVED	RF		
DE APPR.	RF		

Age Group	Number of People
8	10
7	8
6	6
5	4
4	2
3	1
2	1

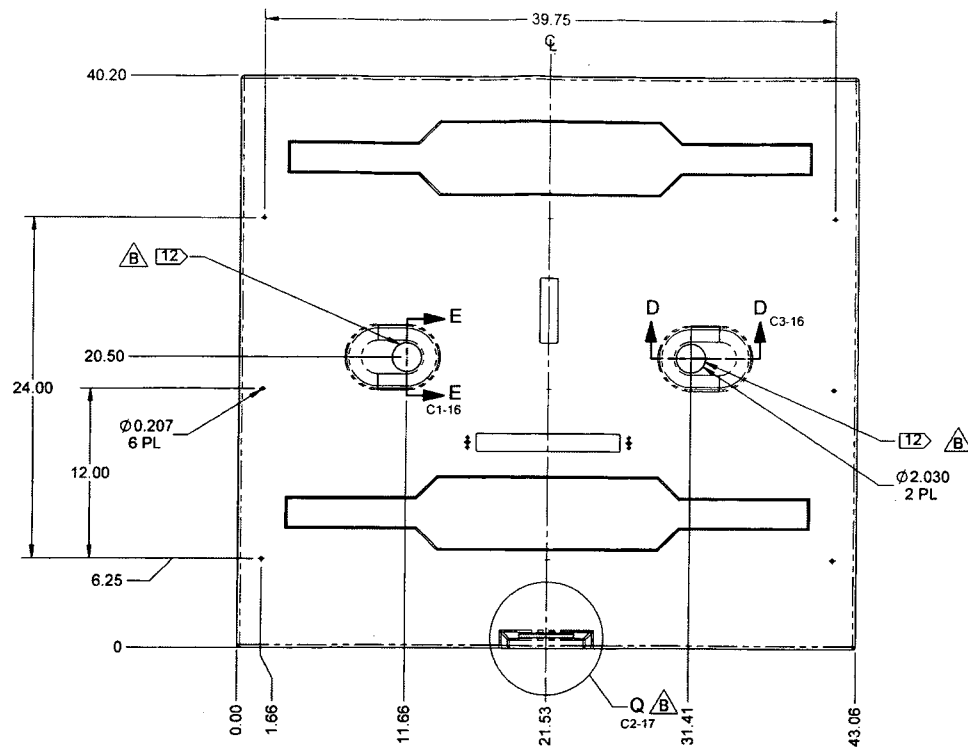


D4634-5 AFT. CENTER CEILING PANEL

RELEASED
2013-01-30
M

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>RF</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>RF</i>	D4634	SHEET 14 OF 17
APPROVED	<i>RF</i>	TITLE	SCALE
DE APPR.	<i>RF</i>	CENTER CEILING PANELS	NTS
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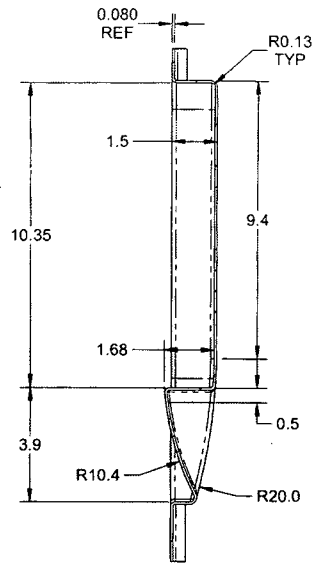
98015



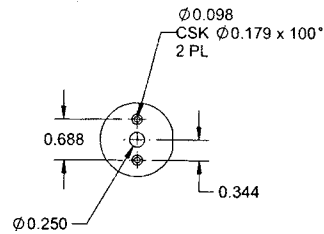
D4634-5 AFT, CENTER CEILING PANEL
AUXILIARY VIEW

RELEASED
2013-01-30

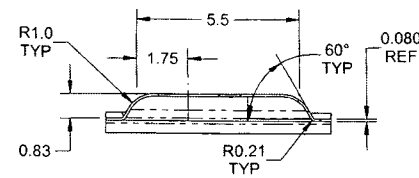
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DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO. D4634	REV. B
MFG. APPR.	<i>[Signature]</i>	SHEET 15 OF 17	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	CENTER CEILING PANELS	NTS
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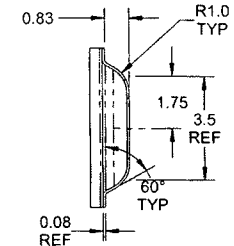
SECTION G-G C5-11
SCALE 4X



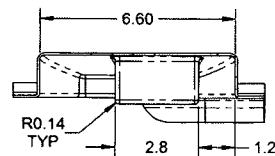
DETAIL C B7-10
SCALE 4X B4-12
B4-14



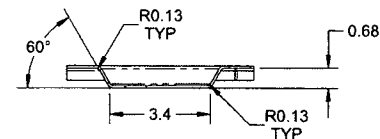
SECTION D-D B6-11
SCALE 2X C4-13
C4-15



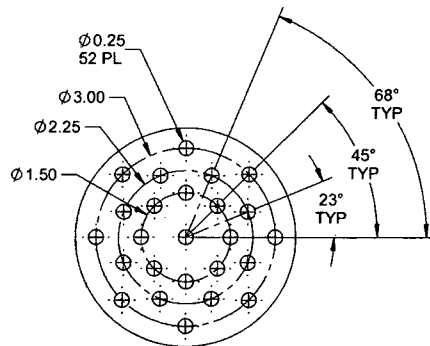
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SCALE 4X C4-13
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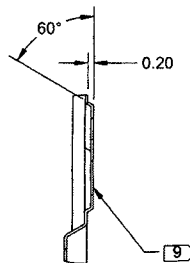
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SCALE 2X



SECTION J-J B6-13
SCALE 2X



DETAIL B B7-10
SCALE 4X 2 PL

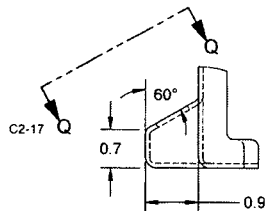


DETAIL I B2-13
SCALE 4X C2-13
B2-14
C2-14

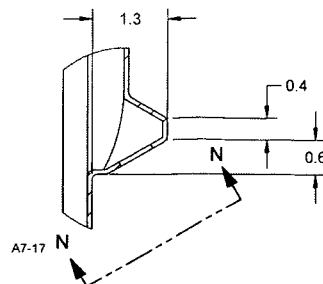
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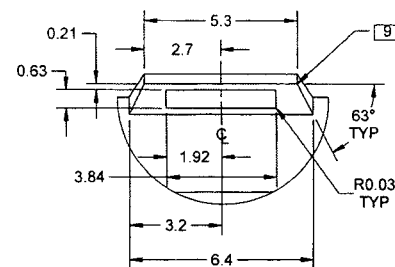
98815



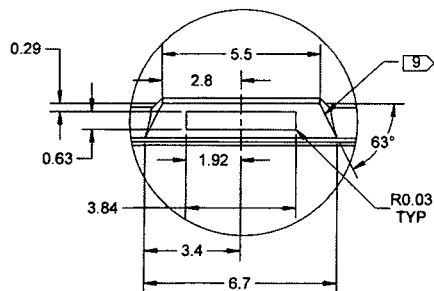
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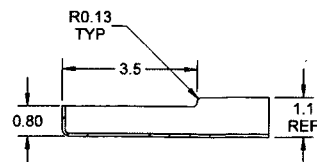
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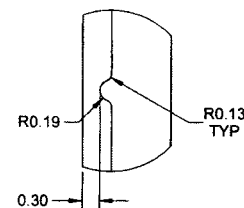
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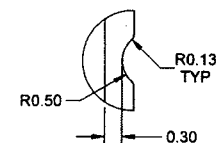
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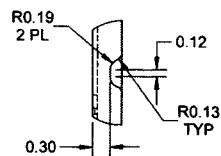
SECTION O-O B6-14
SCALE 1.3X



DETAIL R B3-10
SCALE 4X C3-10
B2-12



DETAILS S B3-10
SCALE 4X C2-12



DETAIL T C2-14
SCALE 4X

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NCR: ☒ Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: ASH Date: 13/12/05QA Closed: ASH Date: 13/12/05

Work Order: <u>98815</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input checked="" type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Engineering <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>	
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Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	13/12/04	100	1	AW139 Ceiling panels material have change for mixs. 93- F6006-07 and where adding foam sandwich board	✓ 13/12/04	engineering change material <u>392.00</u>	DAS 27 9-89 13/12/04	DAS 27 9-89 13/12/04	DAS 27 9-89 13/12/04
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged
<input type="checkbox"/> Crushed/Crimped.	<input type="checkbox"/> Burrs
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio
	<input type="checkbox"/> Grain
	<input type="checkbox"/> Hardware
	<input type="checkbox"/> Inspection Incomplete
	<input type="checkbox"/> Instructions Incomplete/Unclear
	<input type="checkbox"/> Maintenance
	<input type="checkbox"/> Mislabeled
	<input type="checkbox"/> Misread
	<input type="checkbox"/> Offset
	<input type="checkbox"/> Out of Calibration
	<input type="checkbox"/> Out of Sequence
	<input type="checkbox"/> Outside Dimensions
	<input type="checkbox"/> Ovalized
	<input type="checkbox"/> Over/Under tolerance
	<input type="checkbox"/> Part Incorrect
	<input type="checkbox"/> Part Lost/Missing
	<input type="checkbox"/> Part Moved
	<input type="checkbox"/> Positioned Wrong
	<input type="checkbox"/> Power Loss/Surge
	<input type="checkbox"/> Pressure/Forced
	<input type="checkbox"/> Temperature/Cure
	<input type="checkbox"/> Weld
	<input type="checkbox"/> Wrong Stock Pulled
	<input checked="" type="checkbox"/> Other
	<u>Engineering change</u>